

**EXPEDITED PROCEDURE UNDER 37 CFR § 1.116
GROUP ART UNIT 3629; EXAMINER *R. Woo***

PATENT

IBM Docket No. POU919980157US7

09/386,057

Listing of Claims

1. (Previously Amended) A method carried out in a data processing system for determining a cost differential resulting from migrating computational processing capacity from a first computer platform to a second computer platform, the method comprising the steps of:

providing information on usage for said first computer platform and for said second computer platform;

determining, based upon said provided information, a required processing capacity for said first computer platform and said second computer platform;

deriving a cost and capacity measurement for said first computer platform and for said second computer platform;

determining an amount of said required processing capacity to be migrated from said first computer platform and an associated amount of said required processing capacity to be migrated to said second computer platform; and

deriving a cost and capacity measurement for said first computer platform after said migration and for said second computer platform after said migration.

2. (Original) A method according to claim 1 wherein said provided usage information include current and planned usage for said first computer platform and for said second computer platform.

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3. (Original) A method according to claim 1 wherein said providing step further includes the steps of:

providing any available information on current and planned use of computers and computational workloads for said first computer platform and said second computer platform;
and

providing any available information on current and planned cost for said first computer platform and for said second computer platform.

4. (Original) A method according to claim 3 wherein said current and planned cost includes costs associated with hardware and software and support required for said first computer platform and for said second computer platform.

5. (Original) A method according to claim 3 wherein an available portion of said information on said current and said planned use of computers, computational workloads and cost may be provided and wherein a remaining portion of said information is generated using a data model for said information.

6. (Original) A method according to claim 5 wherein said step of determining said required processing capacity further includes using a processing data model to relate said information on said use of computers and computational workloads on said first computer platform and said second computer platform to respective measures of required processing capacity therefor.

7. (Original) A method according to claim 6 wherein said data model includes industry average information on use and cost and said processing data model includes the Transactions Per Minute metric.

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8. (Original) A method according to claim 1 wherein said required processing capacity to be migrated from said first computer platform and said associated required processing capacity to be migrated to said second computer platform is associated with the migration of one or more computational workloads from said first computer platform to said second computer platform.

9. (Original) A method according to claim 1 wherein said deriving step further includes the steps of:

combining said usage information and said determined required processing capacity to produce a first value for the capacity and cost associated with the first computer platform, and a second value for the capacity and cost associated with said second computer platform, as well as a total value for capacity and total cost associated with the aggregate of said first and second computer platforms.

10. (Original) A method according to claim 9 further including the steps of:

calculating a post-migration first value for the processing capacity and cost associated with the first computer platform after said migration and a post-migration second value for the processing capacity and cost associated with said second computer platform after said migration as well as a post-migration total value for the total processing capacity and total cost associated with the aggregate of said first and second computer platforms after said migration.

11. (Original) A method according to claim 10 wherein the step of calculating the post migration values further includes determining a cost savings resulting from the migration of the capacity from the first computer platform and the additional cost resulting from the migration of the associated processing capacity to the second computer platform.

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12. (Original) A method according to claim 3 wherein said current and planned cost information further include the cost associated with the availability characteristics of said first computer platform and said second computer platform.

13. (Original) A method according to claim 3 wherein said planned information on use of said computers as well as said computational workloads and said planned information on said costs is provided for a period of time to enable an analysis of the time variant cost of a migration of at least one of said computational workloads.

14. (Original) A method according to claim 6 further including the steps of :

retaining the provided information and said cost and capacity measurements associated with successive iterations of said method; and

using said retained information and said retained measurements to successively refine the data model and the processing data model.

15. (Previously Amended) A program storage device readable by a digital processing apparatus and tangibly embodying a program of instructions executable by the digital processing apparatus to perform method steps for determining a cost differential resulting from migrating computational processing capacity from a first computer platform to a second computer platform, the method steps comprising:

providing information on usage for said first computer platform and for said second computer platform;

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determining, based upon said provided information, a required processing capacity for said first computer platform and said second computer platform;

deriving a cost and capacity measurement for said first computer platform and for said second computer platform; and

determining an amount of said required processing capacity to be migrated from said first computer platform and an associated amount of said required processing capacity to be migrated to said second computer platform;

deriving a cost and capacity measurement for said first computer platform after said migration and for said second computer platform after said migration.

16. (Original) A program storage device according to claim 15 wherein said provided usage information include current and planned usage for said first computer platform and for said second computer platform.

17. (Original) A program storage device according to claim 15 wherein said providing method step further includes the method steps of:

providing any available information on current and planned use of computers and computational workloads for said first computer platform and said second computer platform;
and

providing any available information on current and planned cost for said first computer platform and for said second computer platform.

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18. (Original) A program storage device according to claim 17 wherein said current and planned cost includes costs associated with hardware and software and support required for said first computer platform and for said second computer platform.

19. (Original) A program storage device according to claim 17 wherein an available portion of said information on said current and said planned use of computers, computational workloads and cost may be provided and wherein a remaining portion of said information is generated using a data model for said information.

20. (Original) A program storage device according to claim 19 wherein said method step of determining said required processing capacity further includes using a processing data model to relate said information on said use of computers and computational workloads on said first computer platform and said second computer platform to respective measures of required processing capacity therefor.

21. (Original) A program storage device according to claim 20 wherein said data model includes industry average information on use and cost and said processing data model includes the Transactions Per Minute metric.

22. (Original) A program storage device according to claim 15 wherein said required processing capacity to be migrated from said first computer platform and said associated required processing capacity to be migrated to said second computer platform is associated with the migration of one or more computational workloads from said first computer platform to said second computer platform.

23. (Original) A program storage device according to claim 15 wherein said deriving method step further includes the method steps of:

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combining said usage information and said determined required processing capacity to produce a first value for the capacity and cost associated with the first computer platform, and a second value for the capacity and cost associated with said second computer platform, as well as a total value for capacity and total cost associated with the aggregate of said first and second computer platforms.

24. (Original) A program storage device according to claim 23 further including the method steps of:

calculating a post-migration first value for the processing capacity and cost associated with the first computer platform after said migration and a post-migration second value for the processing capacity and cost associated with said second computer platform after said migration as well as a post-migration total value for the total processing capacity and total cost associated with the aggregate of said first and second computer platforms after said migration.

25. (Original) A program storage device according to claim 24 wherein the method step of calculating the post migration values further includes determining a cost savings resulting from the migration of the capacity from the first computer platform and the additional cost resulting from the migration of the associated processing capacity to the second computer platform.

26. (Original) A program storage device according to claim 17 wherein said current and planned cost information further include the cost associated with the availability characteristics of said first computer platform and said second computer platform.

27. (Original) A program storage device according to claim 17 wherein said planned information on use of said computers as well as said computational workloads and said planned information

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on said costs is provided for a period of time to enable an analysis of the time variant cost of a migration of at least one of said computational workloads.

28. (Original) A program storage device according to claim 20 further including the method steps of :

retaining the provided information and said cost and capacity measurements associated with successive iterations of said method; and

using said retained information and said retained measurements to successively refine the data model and the processing data model.

29. (Previously Amended) A system implemented in a data processing system for determining a cost differential resulting from migrating computational processing capacity from a first computer platform to a second computer platform, the system comprising:

a storage base for providing information on usage for said first computer platform and for said second computer platform;

means for determining, based upon said provided information, a required processing capacity for said first computer platform and said second computer platform;

means for deriving a cost and capacity measurement for said first computer platform and for said second computer platform;

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means for determining an amount of said required processing capacity to be migrated from said first computer platform and an associated amount of said required processing capacity to be migrated to said second computer platform; and

means for deriving a cost and capacity measurement for said first computer platform after said migration and for said second computer platform after said migration.